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TITLE: Method for performing inter-processor communication
using coupled message queue with shared memory

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BASIC-ABSTRACT:

NOVELTY - A method for performing IPC(Inter-Processor Communication) is provided to pass a message parameter through a shared memory and to pass address information and a message name through a message queue, to couple a message queue system with a shared memory system, so as to increase capacity efficiency of an application in which the IPC is frequently used.

DETAILED DESCRIPTION - An event control block (14) transmitted by a process A(12) is received in a processB(13) by a receiving system call of a message queue of an operating system.

The processB(13) firstly obtains a message name(20), an operation variable(21), and a user control block address information(22) from the received event control block (14). The user control block address information(22) is allocated by the process A(12) on a shared memory(11). The process A(12) is capable of accessing a user data block(16) for setting up a message parameter(23) with the allocated user control block address information(22). The process B(13) is capable of obtaining the message parameter(23) on the basis of the user control block address information(22). All information such as the message name(20), the operation variable(21), and the message parameter(23) which the process A(12) attempts to transmit, is exactly transmitted to the process B(13).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: METHOD PERFORMANCE INTER PROCESSOR COMMUNICATE
COUPLE MESSAGE

QUEUE SHARE MEMORY

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